

SEQUENCE LISTING

<110> SmithKline Beecham Corporation

<120> Hepatitis C Virus Sub-Genomic Replicons

<130> P51335

<140> To be assigned

<141> 2003-04-03

<150> 60/369,685

<151> 2002-04-03

<160> 54

<170> FastSEQ for Windows Version 4.0

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<212> DNA

<213> Artificial Sequence

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<223> The nucleotide sequence encodes the first 75
contiguous N-terminal amino acids of HCV type 1b,
strain BB7

<400> 1

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<223> The polynucleotide sequence encodes sequences from

HCV H77 (BB7-F1) Replicons

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<223> The polynucleotide sequence encodes sequences from
HCV H77(BB7-F1/F2) Replicons

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<223> The polynucleotide sequence encodes sequences from

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<210> 14

<211> 7989

<212> DNA

<213> Artificial Sequence

<220>

<223> The polynucleotide sequence encodes sequences from
HCV H77 (pBB7-SN) Replicons

<400> 14

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<210> 15

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> The sequence encodes DNA fragments amplified by
using pHCV replb(BB7) as template and the primer
pairs

<400> 15

cgtctgctgc tcgatgtcct ac

22

<210> 16

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> The sequence encodes DNA fragments amplified by
using pHCV replb(BB7) as template and the primer
pairs

<400> 16

ctcccccaac cgatgaacgg gtacgtaaac actccaggcc aatag

45

<210> 17

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> The sequence encodes DNA fragments amplified by
using pHCV replb(BB7) as template and the primer
pairs

<400> 17

gcactagtagc ttgatctgca gagagggc

27

<210> 18

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> The sequence encodes DNA fragments amplified by
using pHCV replb(BB7) as template and the primer
pairs

<400> 18

ctattggcct ggagtggttta cgtaccggtt catcggttgg gggag

45

<210> 19

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> To generate pBB7/H77NS5B, the HCV type 1a H77 NS5B
gene was first amplified by using H77 DNA and
primers

<400> 19

cctggacagg cgactgatc acc

23

<210> 20

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> To generate this sequence, two DNA fragments were amplified by using pHCVreplb(BB7) as template and the primer pairs

<400> 20

gaggacttgc tggaagacac tg

22

<210> 21

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> To generate this sequence, two DNA fragments were amplified by using pHCVreplb(BB7) as template and the primer pairs

<400> 21

caggagtact tgatctgcag agaggc

26

<210> 22

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> To generate this sequence, two DNA fragments were amplified by using pHCVreplb(BB7) as template and the primer pairs

<400> 22

ctttagccag ctcacagct atccagttgt ctgcgccttc

40

<210> 23
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> To generate this sequence, two DNA fragments were amplified by using pHCVreplb(BB7) as template and the primer pairs

<400> 23
gaaggcgag acaactggat agctgatgag ctggctaaac 40

<210> 24
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> To generate this sequence, the neomycin resistance gene was performed using PCR

<400> 24
tcaagaccga cctgtccggt gccc 24

<210> 25
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> To generate this sequence, the neomycin resistance gene was performed using PCR

<400> 25
cttgagcctg gcgaacagtt cggc 24

<210> 26
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> To generate this sequence, the neomycin resistance gene was performed using PCR

<400> 26

accacagtcc atgcatcac

20

<210> 27

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> To generate this sequence, the neomycin resistance gene was performed using PCR

<400> 27

tccaccaccc tggtgctgta

20

<210> 28

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> The total cellular was isolated using RNeasy Mini Kit (Qiagen)

<400> 28

ccggctacct gccattc

18

<210> 29

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> The total cellular was isolated using RNeasy Mini Kit (Qiagen)

<400> 29

ccagatcatc cgatcgacaa g

21

<210> 30

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> The total cellular was isolated using RNeasy
Mini Kit (Qiagen)

<400> 30

acatcgcacg gagcgagcac gtac

24

<210> 31

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric
replicon constructs. Primers of the invention was
derived from plasmids.

<400> 31

catccagatg tacaccaatg tggac

25

<210> 32

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric
replicon constructs. Primers of the invention was
derived from plasmids.

<400> 32

catcgcccga attcttcaca gaattg

26

<210> 33

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 33

caattctgtg aagaattcgg gcgatg

26

<210> 34

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 34

gtaacaccaa ttgacactac catc

24

<210> 35

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 35

gatggtagtg tctattgggtg ttac

24

<210> 36

<211> 56

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 36
gcactagtagtac ttgatctgca gagaggccag tatcagcact ctctgcagtc aagcgg 56

<210> 37
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA primer sequences used in making the chimeric
replicon constructs. Primers of the invention was
derived from plasmids.

<400> 37
ctttagccag ctcatcagct atccagttgt ctgcgccttc 40

<210> 38
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA primer sequences used in making the chimeric
replicon constructs. Primers of the invention was
derived from plasmids.

<400> 38
gaaggcgcag acaactggat agctgatgag ctggcctaac 40

<210> 39
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA primer sequences used in making the chimeric
replicon constructs. Primers of the invention was
derived from plasmids.

<400> 39
gagatggagc ggacagctgg atagccgagg agctggccat agaag 45

<210> 40

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 40

cttctatggc cagctcctcg gctatccagc tgtccgctcc atctc

45

<210> 41

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 41

cgtctgctgc tcgatgtcct ac

22

<210> 42

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 42

ctcccccaac cgatgaacgg gtacgtaaac actccaggcc aatag

45

<210> 43

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 43

cctggacagg cgactgatc acc

23

<210> 44

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 44

gaggacttgc tggaagacac tg

22

<210> 45

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 45

caggagtact tgatctgcag agaggc

26

<210> 46

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 46

gcactagtac ttgatctgca gagaggc

27

<210> 47

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 47

ctattggcct ggagtgttta cgtacccgtt catcggttg gggag

45

<210> 48

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 48

tcaagaccga cctgtccgtt gccc

24

<210> 49

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 49

cttgagcctg gcgaacagtt cggc

24

<210> 50

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 50

accacagtcc atgccatcac

20

<210> 51

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 51

tccaccaccc tgttgctgta

20

<210> 52

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 52

ccggctacct gcccatc

18

<210> 53

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 53

ccagatcatc cgatcgacaa g

21

<210> 54

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA primer sequences used in making the chimeric replicon constructs. Primers of the invention was derived from plasmids.

<400> 54

acatcgcatc gagcgagcac gtac

24